

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	29	(pipe or tube of tubing or piping)and ((expansion adj (apparatus or device)) with ((variable or varying) near3 diameter))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 17:06
L2	33	(pipe or tube of tubing or piping)and ((expansion near3 (apparatus or device or plug or sizing)) with ((variable or varying) near3 diameter))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 17:11
L3	1	"6457532".pn.	US-PGPUB; USPAT	ADJ	ON	2011/03/16 18:04
L5	1055	(264/177.14,177.13,177.1,165).ocls.	US-PGPUB; USPAT	ADJ	ON	2011/03/16 18:12
L6	1	5 and (pipe or tube of tubing or piping)and ((expansion near3 (apparatus or device or plug or sizing)) with ((variable or varying) near3 diameter))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 18:13
S1	1	WO "1997006940"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/05/27 13:14
S2	1	WO "1997010096"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/05/27 13:14
S3	1	WO "1996036475"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/05/27 13:14
S4	3	((WO-9706940-\$ or WO-9636475-\$ or WO-9710096-\$).did.	DERWENT	ADJ	ON	2009/05/27 13:15
S5	0	S4 and extrud\$4 diameter AND temperature AND expan\$4 AND cool\$4 AND calibrator AND draw ratio	US-PGPUB; USPAT	ADJ	ON	2009/05/27 13:16
S6	0	S4 and diameter AND temperature AND expan \$4 AND cool\$4 AND calibrator AND draw ratio	US-PGPUB; USPAT	ADJ	ON	2009/05/27 13:16
S7	0	S4 and diameter AND temperature AND expan \$4 AND cool\$4 AND calibrat\$4 AND draw ratio	US-PGPUB; USPAT	ADJ	ON	2009/05/27 13:17
S8	0	S4 and draw ratio	US-PGPUB; USPAT	ADJ	ON	2009/05/27 13:17
S9	0	S4 and diameter AND temperature AND expan \$4 AND cool\$4 AND calibrat\$4	US-PGPUB; USPAT	ADJ	ON	2009/05/27 13:17
S10	0	S4 and diameter AND temperature AND expan \$4 AND cool\$4 AND calibrat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/05/27 13:17
S11	0	S4 and diameter AND temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/05/27 13:17
S12	1	"6296804".PN.	DERWENT	ADJ	ON	2009/05/27 13:18
S13	1	"6153132".PN.	DERWENT	ADJ	ON	2009/05/27 13:18

S14	1	"5891481".PN.	DERWENT	ADJ	ON	2009/05/27 13:19
S15	1	"5891481".PN.	US-PGPUB; USPAT	ADJ	ON	2009/05/27 13:19
S16	1	"6296804".PN.	US-PGPUB; USPAT	ADJ	ON	2009/05/27 13:19
S17	1	"6153132".PN.	US-PGPUB; USPAT	ADJ	ON	2009/05/27 13:20
S18	3	(US-5891481-\$ or US-6296804-\$ or US-6153132-\$).did.	USPAT	ADJ	ON	2009/05/27 13:20
S19	0	S18 and extrud\$4 diameter AND temperature AND expan\$4 AND cool\$4 AND calibrator AND draw ratio	US-PGPUB; USPAT	ADJ	ON	2009/05/27 13:20
S20	0	S18 and temperature AND expan\$4 AND cool \$4 AND calibrator AND draw ratio	US-PGPUB; USPAT	ADJ	ON	2009/05/27 13:20
S21	0	S18 and temperature AND expan\$4 AND cool \$4 AND calibrator	US-PGPUB; USPAT	ADJ	ON	2009/05/27 13:20
S22	0	S18 and draw ratio	US-PGPUB; USPAT	ADJ	ON	2009/05/27 13:21
S23	3	"6153132".PN. OR "6296804".PN. OR "5891481".PN.	US-PGPUB; USPAT	ADJ	ON	2009/06/12 15:29
S24	0	S23 and (extrusion or extrud\$3) and temperat \$3 and (diameter or diametric\$4) and calibrat \$4	US-PGPUB; USPAT	ADJ	ON	2009/06/12 15:32
S25	3	S23 and (extrusion or extrud\$3)	US-PGPUB; USPAT	ADJ	ON	2009/06/12 15:32
S26	2	S25 and temperat\$3	US-PGPUB; USPAT	ADJ	ON	2009/06/12 15:32
S27	2	S26 and (diameter or diametric\$4)	US-PGPUB; USPAT	ADJ	ON	2009/06/12 15:32
S28	0	S27 and calibrat\$4	US-PGPUB; USPAT	ADJ	ON	2009/06/12 15:32
S29	0	WO "1996036475"	US-PGPUB; USPAT	ADJ	ON	2009/09/01 13:03
S30	1	WO "1996036475"	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/09/01 13:03
S31	3	WO "9002644"	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/09/01 13:04
S32	1	"20070132137"	US-PGPUB; USPAT	ADJ	ON	2009/09/01 14:54
S33	145	(extru\$5 near\$5 (plastic (tube or pipe or tub \$4))) AND calibration	US-PGPUB; USPAT	ADJ	ON	2009/09/02 14:37
S34	0	EP "99969371"	US-PGPUB; USPAT	ADJ	ON	2009/09/02 14:56
S35	0	EP "99969371"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/09/02 14:56
S36	0	EP99969371	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/09/02 14:56
S37	6	"6153132".pn. or "6296804".pn. or "6050800".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/09/02 17:43

S38	3	"6153132".pn. or "6296804".pn. or "6050800".pn.	US-PGPUB; USPAT	ADJ	ON	2009/09/02 17:43
S39	1	"5551733".pn.	US-PGPUB; USPAT	ADJ	ON	2009/09/02 17:53
S40	1	"6210617".pn.	US-PGPUB; USPAT	ADJ	ON	2009/09/02 17:55
S41	987	(264/177.14,177.13,177.1,165).CQLS.	US-PGPUB; USPAT	ADJ	ON	2009/09/02 18:03
S42	1	S41 and(extru\$5 near5 (plastic (tube or pipe or tub\$4))) AND calibration	US-PGPUB; USPAT	ADJ	ON	2009/09/02 18:04
S43	0	WO "9710096"	US-PGPUB; USPAT	ADJ	ON	2009/09/02 18:07
S44	1	WO "9710096"	US-PGPUB; USPAT; EPO	ADJ	ON	2009/09/02 18:07
S45	3	"6153132"	US-PGPUB; USPAT	ADJ	ON	2009/09/02 18:08
S46	0	DE "19843340"	US-PGPUB; USPAT	ADJ	ON	2009/09/02 18:09
S47	1	DE "19843340"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/09/02 18:09
S48	0	DE19843340	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/09/02 18:09
S49	1	DE "19843340"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/09/02 18:10
S50	2	"7335010"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/09/02 18:10
S51	2011	(extru\$5 near5 (plastic (tube or pipe or tub \$4)))	US-PGPUB; USPAT	ADJ	ON	2010/04/01 15:46
S52	5	S51 and (constant near3 (ratio or percent\$4) near3 stretch\$4)	US-PGPUB; USPAT	ADJ	ON	2010/04/01 15:48
S53	5	S51 and ((constant near3 ratio near3 stretch \$4) or (constant near3 percentage near3 stretch\$4))	US-PGPUB; USPAT	ADJ	ON	2010/04/01 15:49
S54	4139	(extru\$5 near5 (plastic near3 (tube or pipe or tub\$4)))	US-PGPUB; USPAT	ADJ	ON	2010/04/01 15:50
S55	5	S54 and ((constant near3 ratio near3 stretch \$4) or (constant near3 percentage near3 stretch\$4))	US-PGPUB; USPAT	ADJ	ON	2010/04/01 15:50
S56	79	((constant near3 ratio near3 stretch\$4) or (constant near3 percentage near3 stretch \$4))	US-PGPUB; USPAT	ADJ	ON	2010/04/01 15:50
S57	30	S56 and (tube or pipe)	US-PGPUB; USPAT	ADJ	ON	2010/04/01 15:51
S58	0	S51 and ((constant near3 ratio near3 diameter) or (constant near3 percentage near3 diameter))	US-PGPUB; USPAT	ADJ	ON	2010/04/01 15:52
S59	0	S54 and ((constant near3 ratio near3 diameter) or (constant near3 percentage near3 diameter))	US-PGPUB; USPAT	ADJ	ON	2010/04/01 15:53
S60	434	((constant near3 ratio near3 diameter) or (constant near3 percentage near3 diameter))	US-PGPUB; USPAT	ADJ	ON	2010/04/01 15:53

S61	212	S60 and (tube or pipe)	US-PGPUB; USPAT	ADJ	ON	2010/04/01 15:53
S62	90	((constant near3 ratio near3 stretch\$4) or (constant near3 percent\$4 near3 stretch\$4))	US-PGPUB; USPAT	ADJ	ON	2010/04/01 16:10
S63	2	FR "2806957"	EPO; JPO; DERWENT	ADJ	ON	2010/04/01 16:26
S64	0	S51 and ((percent\$4 or amount or ratio) with stretch\$3)	EPO; JPO; DERWENT	ADJ	ON	2010/04/01 16:31
S65	56	S51 and ((percent\$4 or amount or ratio) with stretch\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/01 16:31
S66	56	S51 and ((percent\$4 or amount or ratio or magnitude) with stretch\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/01 16:32
S67	2	"20050062182"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/01 16:55
S68	4	"6726863"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/01 16:56
S69	1	"20020022101"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/01 16:56
S70	0	((stretch ratio) near3 circum\$10) same ((plastic or thermoplastic) near3 (tube or pipe))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/05 11:23
S71	0	((stretch ratio) near6 circum\$10) same ((plastic or thermoplastic) near3 (tube or pipe))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/05 11:23
S72	0	((stretch ratio) near6 circum\$10) AND((plastic or thermoplastic) near3 (tube or pipe))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/05 11:23
S73	0	((stretch ratio) near6 circum\$10) AND ((plastic or thermoplastic) near3 (tube or pipe))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/05 11:23
S74	0	((stretch ratio) near6 circum\$10) AND ((plastic or thermoplastic))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/05 11:24
S75	5	((stretch ratio) near3 circum\$10) same ((plastic or thermoplastic) near3 (tube or pipe))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/05 11:24
S76	5	((stretch ratio) near6 circum\$10) same ((plastic or thermoplastic) near3 (tube or pipe))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/05 11:24
S77	9	((stretch ratio) near6 circum\$10) AND ((plastic or thermoplastic) near3 (tube or pipe))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/05 11:25
S78	11	((stretch ratio) or (expansion ratio)) near6 circum\$10) AND((plastic or thermoplastic) near3 (tube or pipe))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/05 12:15
S79	2	FR "2806957"	EPO; JPO; DERWENT	ADJ	ON	2010/04/05 12:29
S80	1	RU "2142362"	EPO; JPO; DERWENT	ADJ	ON	2010/04/05 12:32
S81	5	"594832".pn. or "5942171".pn.	EPO; JPO; DERWENT	ADJ	ON	2010/04/05 12:33
S82	1	RU "2167058"	EPO; JPO; DERWENT	ADJ	ON	2010/04/05 12:34
S83	0	RU "02167058"	EPO; JPO; DERWENT	ADJ	ON	2010/04/05 12:34
S84	1	"5948332"	EPO; JPO; DERWENT	ADJ	ON	2010/04/05 12:36

S85	1	"5948332".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/05 12:36
S86	0	EP0751861	EPO; JPO; DERWENT	ADJ	ON	2010/04/05 12:37
S87	0	EP "0751861"	EPO; JPO; DERWENT	ADJ	ON	2010/04/05 12:37
S88	1	"594832".pn. or "5942171".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/05 13:25
S89	1	"20020022101"	US-PGPUB; USPAT	ADJ	ON	2010/04/05 18:20
S90	1008	(264/177.14,177.13,177.1,165).CCLS.	US-PGPUB; USPAT	ADJ	ON	2010/04/05 18:22
S91	1	S90 and(extru\$5 near5 (plastic (tube or pipe or tub\$4))) AND calibration	US-PGPUB; USPAT	ADJ	ON	2010/04/05 18:23
S92	2	WO "9706940"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/04/06 11:32
S93	8	((US-20070132137-\$ or US-20020022101-\$). d.id. or (US-5891481-\$ or US-6296804-\$ or US-6153132-\$ or US-6726863-\$).d.id. or (WO- 9636475-\$ or WO-0016962-\$).d.id.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/03/16 11:02
S94	2	S93 and ((plastic tube) with (diamet\$6 near3 expan\$6))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:04
S95	1	S93 and (((plastic tube) with (diamet\$6 near3 expan\$6)) with (vary or variable))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:06
S96	1	S93 and (((plastic tube) with (diamet\$6 near3 expan\$6)) AND ((diamet\$6 near3 expan\$6) with (vary or variable)))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:07
S97	0	S93 and ((variable sizing sleeve) same (plastic tube))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:27
S98	1	S93 and ((variable with (sizing sleeve)) same (plastic tube))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:28
S99	1	S93 and (((variable or vary or varying) with (sizing sleeve)) same (plastic tube))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:28
S100	1776	(diamet\$6 near3 expan\$6 near3 device)	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:28
S101	52	(varying or variable or vary or adjust) with (diamet\$6 near3 expan\$6 near3 device)	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:29
S102	1	S101 and (plastic tube)	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:29
S103	32	S101 and (tube)	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:29
S104	42	S101 and (tube or pipe)	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:29
S105	42	S101 and (tube or pipe or piping)	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:29
S106	0	((tube or pipe or piping) and ((circumferential adj draw) with (tensile strength)))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:54
S107	0	((circumferential adj draw) with (tensile strength))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:54
S108	0	((circumferential adj draw) with (hoop strength))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:55
S109	0	((circumferential adj draw) with (strength))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:55

S110	363	((tube or pipe or piping) with diameter with (tensile strength))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:55
S111	206	((tube or pipe or piping) with diameter near3 (tensile strength))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 11:55
S112	0	((tube or pipe or piping) AND ((circumferential adj draw) with (polymer) with (orientat\$4))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 12:47
S113	0	((tube or pipe or piping) AND ((circumferential adj draw) with (polymer)))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 12:47
S114	0	((circumferential adj draw) with (polymer))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 12:47
S115	4539	((draw) with (polymer))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 12:47
S116	23	((draw) with (polymer orientation))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 12:47
S117	0	((circumferential adj draw) with (tensile))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 13:19
S118	685	((draw) with (tensile strength))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 13:19
S119	1	"6153132".pn.	US-PGPUB; USPAT	ADJ	ON	2011/03/16 14:29
S120	324	(pipe or tube) and (variable near3 diameter near3 (device or apparatus))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 15:26
S121	63	(pipe or tube).ab. and (variable near3 diameter near3 (device or apparatus))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 15:27
S122	7	(pipe or tube).ab. and (variable near3 diameter near3 expansion near3 (device or apparatus))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 15:30
S123	17114	((pipe or tube of tubing or piping) with expansion)	US-PGPUB; USPAT	ADJ	ON	2011/03/16 15:48
S124	22	S123 and ((expansion adj (apparatus or device)) with ((variable or varying) near3 diameter))	US-PGPUB; USPAT	ADJ	ON	2011/03/16 15:49
S125	1	"10809036"	US-PGPUB; USPAT	ADJ	ON	2011/03/16 15:51
S126	1	"6712151".pn.	US-PGPUB; USPAT	ADJ	ON	2011/03/16 15:53
S127	1	"20030024711"	US-PGPUB; USPAT	ADJ	ON	2011/03/16 15:53

EAST Search History (Interference)

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